



PATENT ABSTRACTS OF JAPAN

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MASUDA YOICHI**(54) ARRAY SUBSTRATE OF LIQUID CRYSTAL DISPLAY DEVICE**

(57) Abstract:

PROBLEM TO BE SOLVED: To accurately specify the position of a defect without making the structure extremely complicated.

SOLUTION: The array substrate of the liquid crystal display device is equipped with plural pixel electrodes, plural scanning lines 3, plural signal lines 4, plural switching elements 5 which supply video signals from corresponding signal lines 4 to corresponding pixel electrodes in response to scanning signals from corresponding scanning lines 3, and an inspection support circuit 30 which senses the potentials of the scanning lines 3. Specially, the circuit 30 consists of plural thin film transistors 35 for inspection which have their gates connected to the scanning lines 3 and an inspection wiring part 34 which is connected to the source-drain paths of those transistors 35, and the wiring part 34 includes a monitor pad 32 and a ground pad GND where the source-drain paths of the transistors 35 are connected to each other in parallel, an inspection potential pad 31 which is applied with an inspection voltage, and a resistor element 33 which is

connected between the pads 31 and 32 and divides the inspection voltage in cooperation with the electric resistance of the transistor 35.

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